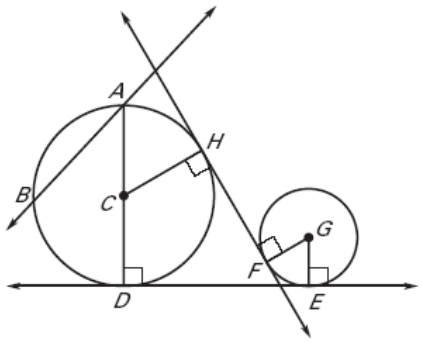
Name_____ **Period**_____

Geometry Unit 12 Worksheet #5 – Review

Use the diagram to answer the following questions



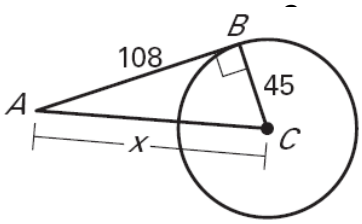
1. What are the diameter and radius of ⊙C?

2. What are the diameter and radius of ⊙G?

3. Name a tangent and secant for ⊙C.

Find the value of x for the following diagrams. $\overline{BC}$ **is a tangent line**

4.



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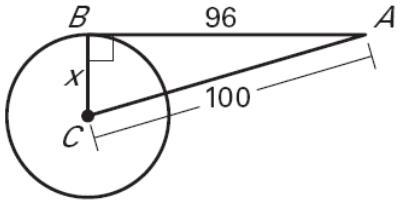
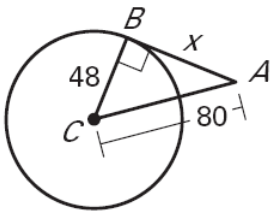


6.



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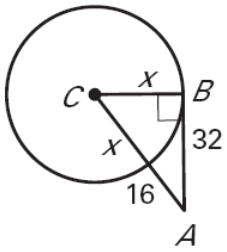


Find the measures of each arc using the diagram.

8. $m\overset{\frown}{MN}$ = _____

9. $m\overset{\frown}{NQR}$ = _____

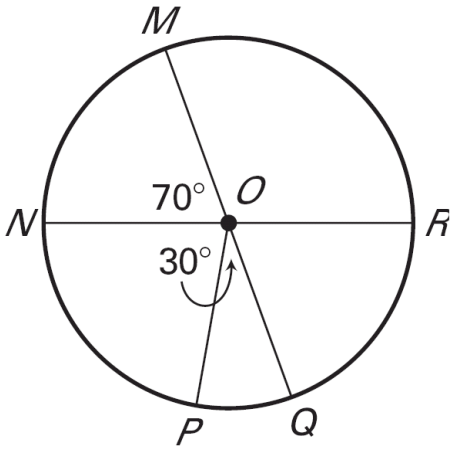
10. $m\overset{\frown}{MRP}$ = _____

11. $m\overset{\frown}{MR}$ = _____

12. $m\overset{\frown}{QMR}$ = _____

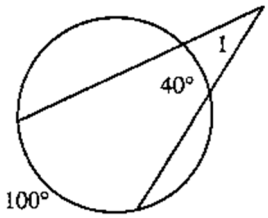
13. $m\overset{\frown}{PRN}$ = _____

14. $m\overset{\frown}{MQN}$ = _____



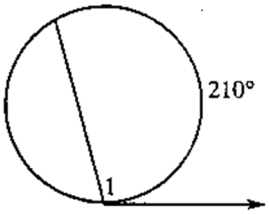
Find the value of the missing measure. BE SURE TO LOOK TO SEE WHERE THE VERTEX OF THE CIRCLE IS LOCATED BECAUSE THAT WILL TELL YOU WHICH FORMULA TO USE!!!!!

15.



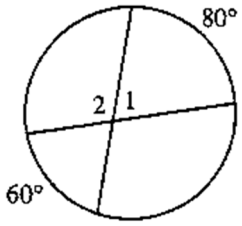
$m\angle 1 =$ _____

16.



$m\angle 1 =$ _____

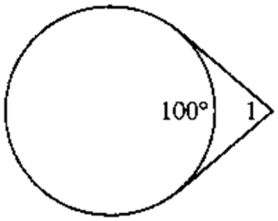
17.



$m\angle 1 =$ _____

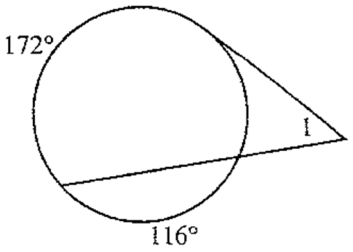
$m\angle 2 =$ _____

18.



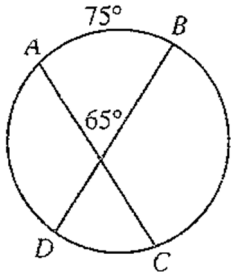
$m\angle 1 =$ _____

19.



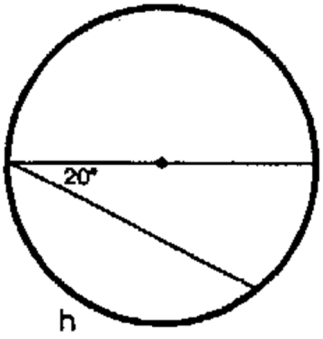
$m\angle 1 =$ _____

20.



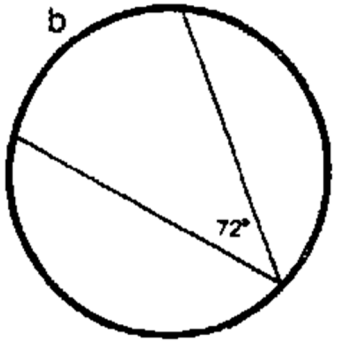
$m\widehat{DC} =$ _____

21.



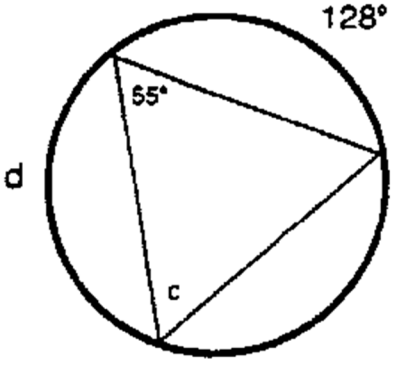
h = _____

22.



b = _____

23.



c = _____ d = _____